

PAT-NO: JP404057837A

DOCUMENT-IDENTIFIER: JP 04057837 A

TITLE: EXPANDABLE THERMOPLASTIC RESIN PARTICLE

PUBN-DATE: February 25, 1992

INVENTOR-INFORMATION:

NAME

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ASSIGNEE-INFORMATION:

NAME

SEKISUI PLASTICS CO LTD

COUNTRY

N/A

APPL-NO: JP02166852

APPL-DATE: June 27, 1990

INT-CL (IPC): C08J009/224

US-CL-CURRENT: 428/313.5

ABSTRACT:

PURPOSE: To prepare the title particle which has an improved fusion among expanded particles when molded without adversely affecting the resistance to leakage of a molded item such as a cup by coating an expandable thermoplastic resin particle contg. a hydrocarbon having a b.p. lower than the softening point of the resin with a specific polyethylene wax.

CONSTITUTION: An expandable thermoplastic resin particle comprising a thermoplastic resin particle (e.g. PS particle) contg. a hydrocarbon having a b.p. lower than the softening point of the resin (e.g. n-pentane) is coated with 0.005-0.05 wt.% polyethylene wax comprising a crystalline

ethylene

homopolymer having a mol. wt. of 400-900 and an m.p. of 85-110&deg;C.

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DERWENT-ACC-NO: 1992-111478

DERWENT-WEEK: 199607

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TITLE: Foaming thermoplastic resin particles - are  
coated with crystalline ethylene! homopolymer wax, giving  
cups which do not leak

PATENT-ASSIGNEE: SEKISUI PLASTICS CO LTD[SEKP]

PRIORITY-DATA: 1990JP-0166852 (June 27, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
<u>JP 04057837 A</u>	February 25, 1992	N/A
005 N/A		
JP 96002990 B2	January 17, 1996	N/A
004 C08J 009/224		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 04057837A	N/A	1990JP-0166852
June 27, 1990		
JP 96002990B2	N/A	1990JP-0166852
June 27, 1990		
JP 96002990B2	Based on	JP 4057837
N/A		

INT-CL (IPC): C08J009/22, C08J009/224

ABSTRACTED-PUB-NO: JP 04057837A

BASIC-ABSTRACT:

Foaming thermoplastic resin particles contg. hydrocarbon having b.pt.  
lower  
than the softening pt. of thermoplastic resin particles comprise  
thermoplastic  
resin particles coated with 0.005-0.05 wt % of polyethylene wax which  
is  
crystalline ethylene homopolymer and has mol. wt. of 400-900 and  
m.pt. of

85-110 deg. C.

Polyethylene wax pref. contains 0.05-0.25 wt. % of higher fatty acid metal salt.

USE/ADVANTAGE - Foamed particles can be promptly attached together in moulds when these particles are moulded. particles are moulded to give cups having no leakage.

ABSTRACTED-PUB-NO: JP 96002990B

EQUIVALENT-ABSTRACTS:

Foaming thermoplastic resin particles contg. hydrocarbon having b.pt. lower than the softening pt. of thermoplastic resin particles comprise thermoplastic resin particles coated with 0.005-0.05 wt.% of polyethylene wax which is crystalline ethylene homopolymer and has mol.wt. of 400-900 and m.pt. of 85-110 deg.C.

Polyethylene wax pref. contains 0.05-0.25 wt.% of higher fatty acid metal salt.

USE/ADVANTAGE - Foamed particles can be promptly attached together in moulds when these particles are moulded, particles are moulded to give cups having no leakage.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: FOAM THERMOPLASTIC RESIN PARTICLE COATING CRYSTAL  
POLYETHYLENE  
HOMOPOLYMER WAX CUP LEAK

DERWENT-CLASS: A17 A60 E12

CPI-CODES: A04-G02E; A08-M01B; A11-B06; A12-S04A; E10-C04L2;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

A212 A220 A313 A430 A960 C710 J0 J011 J1 J171  
M220 M224 M225 M226 M231 M232 M233 M262 M281 M320